On the Proper Motions of the Stars LL. 31296 and 31188.

By G. L. Tupman.

LL. 31296. For this star we have the following observations reduced to 1885·0 by Peters' constants:—

	R.A. h m s	Decl. ° ′ ″	
1800	17 7 19·35	−9 8 45·5	LL. 31296
1825	19·86	47·5	W.B. 58,* 83
1850	19·60	44·7	Lam_5 2078
1860	19·55	44·2	Yarnall 7133, 2 Obs.
1860	19·55	43·8	Schj. 6146

The star was observed three times on the Meridian at Harrow:—

	h m s	° ′ ″
	17 7 19·80	−9 8 44·8
	19·65	46·4
	19·59	45·6
1885·56	17 7 19·68	−9 8 45·6

The Annual Proper Motion appears to be quite insensible.

LL. 31188. For this star, reduced to 1885·0, we have:—

	R.A. h m s	Decl. ° ′ ″	
1800	17 3 26·21	−10 22 10·9	LL. 31188
1824	26·57	15·6	$W.B._1$ 3
1850	26·43	15·1	Lam_5 2067
1850	26·25	16·0	Rad. Obs. 5, 2
1860	26·40	14·4	Sant. 1899, 2 Obs.
1884	26·42	19·4	Greenwich, 3 Obs.

By the method of least squares the Annual Proper Motion appears to be

in R.A. $0^s·000$ in Decl. $-0''·108$.

* WB_1, No. 58 is evidently another observation of No. 83. There is no star in the place of No. 58.

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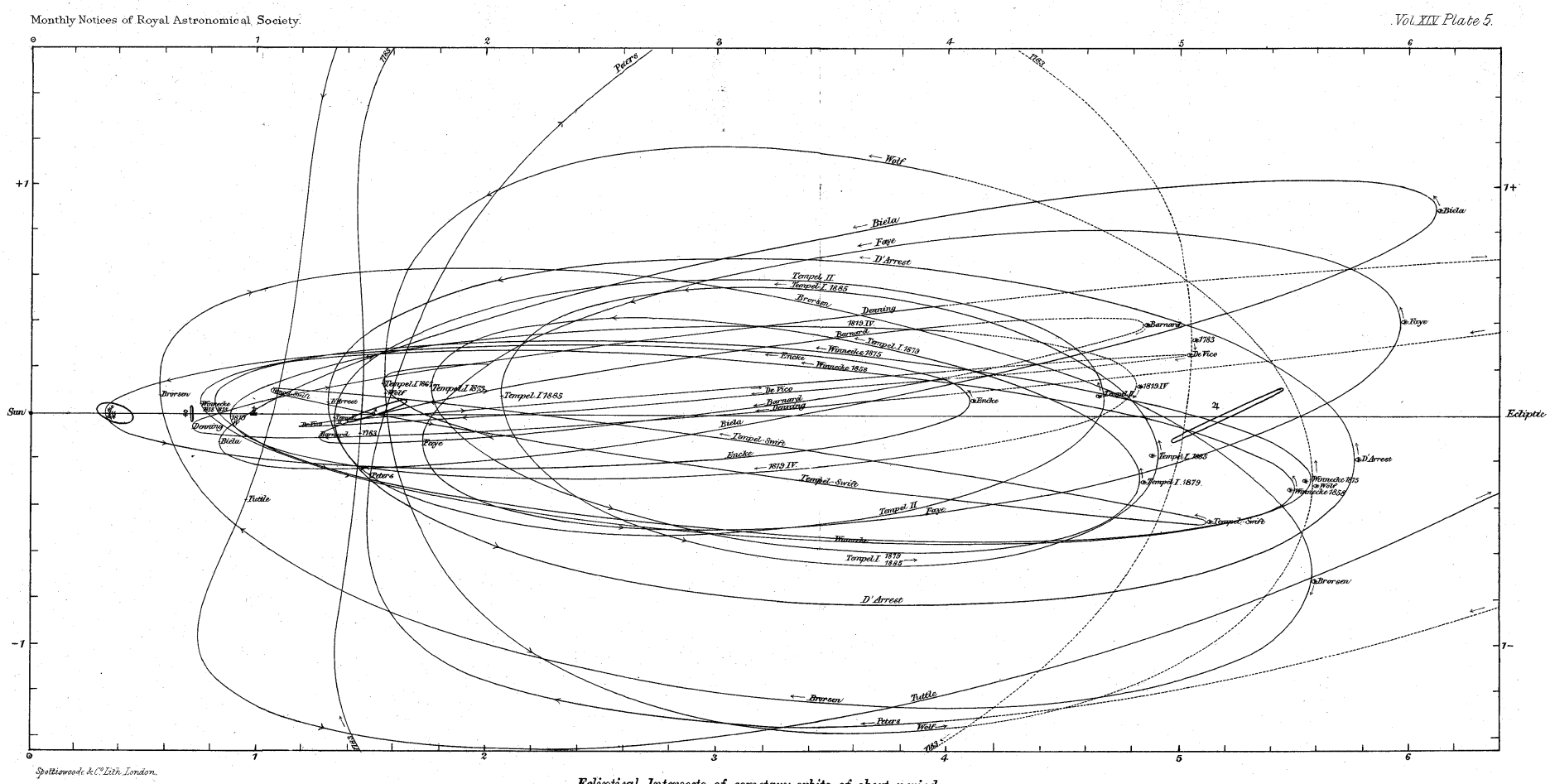

Ecliptical Intersects of cometary orbits of short periods.